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L8 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:864746 HCAPLUS
DOCUMENT NUMBER: 135:371994
TITLE: Preparation of arginine derivatives for assay of
trypsin urinary inhibitor
INVENTOR(S): **Corey, Paul F.**; Felman, Steven W.;
Rehm, Gary E.; **Pugia, Michael J.**
PATENT ASSIGNEE(S): Bayer Corporation, USA
SOURCE: Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1157984	A2	20011128	EP 2001-110138	20010504
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CA 2334827	AA	20011115	CA 2001-2334827	20010209
US 2002004219	A1	20020110	US 2001-844816	20010430
NO 2001002307	A	20011116	NO 2001-2307	20010510
JP 2002069055	A2	20020308	JP 2001-139608	20010510
PRIORITY APPLN. INFO.:			US 2000-203999P P	20000515

OTHER SOURCE(S): MARPAT 135:371994

AB Arginine derivs. R1-L-Arg(R2)-OR3 (R1 and R2 are protective groups, R3 is aryl) were prepd. as trypsin substrates in which trypsin cleaves the O-C single bond to liberate R3-OH. A diagnostic device comprising the arginine derivs. is used to detect levels of urinary trypsin inhibitor (UTI) in a biol. sample. Thus, 3-(N.alpha.-tosyl-N.gamma.-nitro-L-arginyloxy)-5-phenylpyrrole was prepd. by esterification reaction and shown to be active with trypsin enzyme, allowing a change in decode signal of more than 50 % when trypsin was substantially inhibited by the trypsin inhibitor.

L8 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:472078 HCAPLUS
DOCUMENT NUMBER: 135:58137
TITLE: Test strip for the assay of an analyte in a liquid
sample
INVENTOR(S): **Corey, Paul F.**; **Pugia, Michael J.**;
Rehm, Gary E.
PATENT ASSIGNEE(S): Bayer Corp., USA
SOURCE: Eur. Pat. Appl., 23 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1111386	A2	20010627	EP 2000-126414	20001205
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

US 6316264 B1 20011113 US 1999-466637 19991217

JP 2001194368 A2 20010719 JP 2000-381173 20001215

PRIORITY APPLN. INFO.: US 1999-466637 A 19991217

AB An improved test strip for detg. the presence or concn. of unknown or a constituent in a liq. test sample is disclosed. The test strip comprises a support strip and a test pad, wherein the test pad includes a carrier matrix incorporating a reagent compn. capable of interacting with the constituent of interest to produce a detectable or measurable response. The test strip further comprises an IR dye, applied either to the support strip or incorporated into a test pad, which ensures proper alignment of the test strip in an app. having a detection system for the detectable or measurable response. The improved test strip reduces the no. of erroneous assays for the constituent of interest.

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L8 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2002 ACS
IC ICM C07C279-00
ICS C12Q001-37
CC 34-2 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 7, 9
ST arginine ester prepn assay trypsin urinary inhibitor
IT Diagnosis
Urine analysis
(prepn. of arginine derivs. for assay of trypsin urinary inhibitor)
IT 80449-31-6, Urinary trypsin inhibitor
RL: ANT (Analyte); ANST (Analytical study)
(prepn. of arginine derivs. for assay of trypsin urinary inhibitor)
IT 9002-07-7, Trypsin
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(prepn. of arginine derivs. for assay of trypsin urinary inhibitor)
IT 373599-54-3P 373649-95-7P 373649-96-8P 373649-99-1P 373650-00-1P
RL: ARG (Analytical reagent use); SPN (Synthetic preparation); ANST
(Analytical study); PREP (Preparation); USES (Uses)
(prepn. of arginine derivs. for assay of trypsin urinary inhibitor)
IT 90-33-5, 7-Hydroxy-4-methylcoumarin 827-46-3 4353-32-6 16800-67-2
51786-03-9 100750-40-1, 3-Hydroxy-5-phenylpyrrole
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of arginine derivs. for assay of trypsin urinary inhibitor)
IT 480-93-3P, Indoxyl 373649-97-9P 373649-98-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. of arginine derivs. for assay of trypsin urinary inhibitor)

L8 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2002 ACS
IC ICM G01N033-558
ICS G01N033-52; G01N033-72; G01N033-84
CC 9-1 (Biochemical Methods)
ST test strip assay analyte liq
IT Dyes
(IR-absorbing; test strip for assay of analyte in a liq. sample)
IT Samples
(liq.; test strip for assay of analyte in a liq. sample)
IT Blood analysis
Cameras
Carriers
Color
Composition
Concentration (condition)
IR radiation
Illumination
Optical scanners
Spectrometers
(test strip for assay of analyte in a liq. sample)
IT Reagents
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(test strip for assay of analyte in a liq. sample)
IT 14797-65-0, Nitrite, analysis
RL: ANT (Analyte); ANST (Analytical study)
(test strip for assay of analyte in a liq. sample)
IT 53655-17-7, 5,5'-Dichloro-11-diphe-nylamino-3,3'-diethyl-10,12-

ethylenethiatricarbocyanine perchlorate 105528-25-4 155773-67-4
345891-45-4 345891-46-5

RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(test strip for assay of analyte in a liq. sample)

IT 9003-53-6, Polystyrene

RL: NUU (Other use, unclassified); USES (Uses)
(test strip for assay of analyte in a liq. sample)

=> d cost

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

CONNECT CHARGES

41.58	41.73
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NETWORK CHARGES

1.26	1.32
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DISPLAY CHARGES

8.16	8.16
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51.00	51.21
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CAPLUS FEE (5%)

2.49	2.49
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FULL ESTIMATED COST

53.49	53.70
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION

CA SUBSCRIBER PRICE

-1.86	-1.86
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